

Day : Friday  
Date: 3/1/2002  
Time: 18:06:04


**PALM INTRANET**

## Inventor Name Search Result

Your Search was:

Last Name = CHERN

First Name = REY T.

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>08810958</u>	Not Issued	161	02/27/1997	PROCESS FOR REMOVING ORGANIC PHASE SOLVENT FROM PLGA MICROSPHERES CONTAINING A LIPOPHILIC DRUG	CHERN, REY T.
<u>09152775</u>	6174540	150	09/14/1998	LONG ACTING INJECTABLE FORMULATIONS CONTAINING HYDROGENATED CASTOR OIL	CHERN, REY T.
<u>09271098</u>	Not Issued	071	03/18/1999	LIQUID POLYMERIC COMPOSITIONS FOR CONTROLLED RELEASE OF BIOACTIVE SUBSTANCES	CHERN, REY T.
<u>60012780</u>	Not Issued	159	03/04/1996	PROCESS FOR REMOVING ORGANIC PHASE SOLVENT FROM PLGA MICROSPHERES CONTAINING A LIPOPHILIC DRUG	CHERN, REY T.
<u>60021459</u>	Not Issued	159	07/03/1996	PROCESS FOR MAKING PLGA MICROSPHERES CONTAINING A LIPOPHILIC DRUG	CHERN, REY T.
<u>60078639</u>	Not Issued	159	03/19/1998	SULFURPENTAFLUOROPHENYLPYRAZOLES FOR CONTROLLING ECTOPARASITIC INFESTATIONS	CHERN, REY T.

**Inventor Search Completed:** Search Completed: No Records to Display.

	<b>Last Name</b>	<b>First Name</b>
<b>Search Another:</b>	<input type="text" value="CHERN"/>	<input type="text" value="REY T."/>
<b>Inventor</b>	<input type="button" value="Search"/>	

(To go back use Back button on your browser toolbar.)

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | [Home page](#)

Day : Friday  
Date: 3/1/2002  
Time: 18:06:31

 **PALM INTRANET**

## Inventor Name Search Result

Your Search was:

Last Name = ZINGERMAN

First Name = JOEL R.

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>06330541</u>	Not Issued	163	12/14/1981	WATERLESS THIXOTROPIC COMPOSITION	ZINGERMAN, JOEL
<u>07080849</u>	Not Issued	163	08/03/1987	SYRINGE	ZINGERMAN, JOEL
<u>07133586</u>	4872873	250	12/14/1987	CONTROLLED RELEASE BOLUS DEVICE	ZINGERMAN, JOEL
<u>07493596</u>	5122128	150	03/15/1990	ORIFICE INSERT FOR A RUMINAL BOLUS	ZINGERMAN, JOEL
<u>07756948</u>	Not Issued	161	09/06/1991	DELIVERY SYSTEM COMPRISING MEANS FOR CONTROLLING INTERNAL PRESSURE	ZINGERMAN, JOEL
<u>09271092</u>	6136838	150	03/18/1999	SULFURPENTAFLUOROPHENYLPYRAZOLES FOR CONTROLLING ECTOPARASITIC INFESTATIONS	ZINGERMAN, JOEL
<u>09271098</u>	Not Issued	071	03/18/1999	LIQUID POLYMERIC COMPOSITIONS FOR CONTROLLED RELEASE OF BIOACTIVE SUBSTANCES	ZINGERMAN, JOEL

**Inventor Search Completed:** Search Completed: No Records to Display.

	<b>Last Name</b>	<b>First Name</b>
<b>Search Another:</b>	<input type="text" value="ZINGERMAN"/>	<input type="text" value="JOEL R."/>
<b>Inventor</b>	<input type="button" value="Search"/>	

(To go back use Back button on your browser toolbar.)

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | [Home page](#)

09/27/098

(FILE 'HOME' ENTERED AT 12:10:24 ON 01 MAR 2002)

FILE 'REGISTRY' ENTERED AT 12:10:40 ON 01 MAR 2002

L1 1 S TRIACETIN/CN  
L2 1 S BENZYL BENZOATE/CN  
L3 1 S 34346-01-5/RN

FILE 'USPATFULL, CAPLUS' ENTERED AT 12:11:42 ON 01 MAR 2002

L4 7540 S L1 OR (GLYCER### TRIACETATE) OR TRIACETIN#  
L5 5069 S L2 OR (BENZYL BENZOATE) OR NOVOSCABIN OR SCABANCA OR  
VANZOATE  
L6 5075 S L2 OR (BENZYL BENZOATE) OR NOVOSCABIN OR SCABANCA OR  
VANZOATE  
L7 2956 S L3 OR PLGA OR (POLY (2W) LACTIDE (2W) ACID (2W) GLYCOLIC  
(2W)  
L8 11 S L4 (20W) L7  
L9 87 S L4 AND L7  
L10 23 S L6 AND L7  
L11 100 S L10 OR L9  
L12 55 S L11 AND IMPLANT?  
L13 39 S L12 AND FILM  
L14 40 S L12 AND FILM?  
L15 11 DUPLICATE REMOVE L8 (0 DUPLICATES REMOVED)

=> s l14 not l5

L16 33 L14 NOT L5

=> s l14 not l15

L17 37 L14 NOT L15

=> d ibib 1-37

L17 ANSWER 1 OF 37 USPATFULL

ACCESSION NUMBER: 2001:231063 USPATFULL

TITLE: Injectable depot gel composition and method of  
preparing the composition

INVENTOR(S): Brodbeck, Kevin J., Palo Alto, CA, United States  
Shen, Theodore T., Redwood City, CA, United States

PATENT ASSIGNEE(S): ALZA Corporation, Mountain View, CA, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6331311	B1	20011218
APPLICATION INFO.:	US 1997-993031		19971218 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-33439	19961220 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Criares, Theodore J.	
LEGAL REPRESENTATIVE:	Bate, Vandana	
NUMBER OF CLAIMS:	27	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 3 Drawing Page(s)	
LINE COUNT:	720	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

## L17 ANSWER 2 OF 37 USPATFULL

ACCESSION NUMBER: 2001:29145 USPATFULL  
TITLE: Biodegradable delivery systems of biologically active substances  
INVENTOR(S): Shukla, Atul J., 837 Walnut Bend Rd., Cordova, TN, United States 38018

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6193991	B1	20010227
APPLICATION INFO.:	US 1998-181515		19981028 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman K.		
ASSISTANT EXAMINER:	Ware, Todd D		
NUMBER OF CLAIMS:	22		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	13 Drawing Figure(s); 13 Drawing Page(s)		
LINE COUNT:	999		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

✓ 6193991  
6130200

## L17 ANSWER 3 OF 37 USPATFULL

ACCESSION NUMBER: 2001:13987 USPATFULL  
TITLE: Polyurethane-containing delivery systems  
INVENTOR(S): Magruder, Judy A., Mt. View, CA, United States  
Eckenhoff, James B., Los Altos, CA, United States  
Cortese, Richard, Los Gatos, CA, United States  
Wright, Jeremy C., Los Altos, CA, United States  
Peery, John R., Palo Alto, CA, United States  
PATENT ASSIGNEE(S): Alza Corporation, Mountain View, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6180129	B1	20010130
APPLICATION INFO.:	US 1997-956424		19971023 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1996-627169, filed on 3 Apr 1996, now patented, Pat. No. US 5714160 Continuation of Ser. No. US 1990-513361, filed on 20 Apr 1990, now abandoned Division of Ser. No. US 1988-283359, filed 13 Dec 1988, now patented, Pat. No. US 5034229		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Levy, Neil S.		
LEGAL REPRESENTATIVE:	Dillahunt, Mary Ann, Stone, Steven F., Clarke, Pauline		
NUMBER OF CLAIMS:	6		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 4 Drawing Page(s)		
LINE COUNT:	1318		

## L17 ANSWER 4 OF 37 USPATFULL

ACCESSION NUMBER: 1999:128160 USPATFULL  
TITLE: High viscosity liquid controlled delivery system as a device  
INVENTOR(S): Tipton, Arthur J., Birmingham, AL, United States

PATENT ASSIGNEE(S): Southern BioSystems, Inc., Birmingham, AL, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5968542		19991019
APPLICATION INFO.:	US 1997-944022		19970915 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1995-478450, filed on 7 Jun 1995, now abandoned And a		

continuation-in-part

of Ser. No. US 1995-474337, filed on 7 Jun 1995, now patented, Pat. No. US 5747058

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Stucker, Jeffrey  
ASSISTANT EXAMINER: Park, Hankyel T.  
LEGAL REPRESENTATIVE: Gray, Esq., Bruce D.Kilpatrick Stockton LLP  
NUMBER OF CLAIMS: 27  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 17 Drawing Figure(s); 9 Drawing Page(s)  
LINE COUNT: 1344  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 5 OF 37 USPATFULL

ACCESSION NUMBER: 1998:85596 USPATFULL  
TITLE: Injectable drug delivery system and method  
INVENTOR(S): Berggren, Randall G., Livermore, CA, United States  
Ensore, David J., Saratoga, CA, United States  
Marks, Susan M., San Jose, CA, United States  
Osborne, James L., Mountain View, CA, United States  
Wong, Patrick S.-L., Palo Alto, CA, United States  
Roorda, Wouter E., Newark, CA, United States  
PATENT ASSIGNEE(S): ALZA Corporation, Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5783205		19980721
APPLICATION INFO.:	US 1997-843682		19970410 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-437471, filed on 9 May 1995, now patented, Pat. No. US 5620700 which is a continuation of Ser. No. US 1992-923275, filed on 31 Jul 1992, now abandoned which is a		

continuation-in-part

of Ser. No. US 1990-605863, filed on 30 Oct 1990, now abandoned

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Azpuru, Carlos  
LEGAL REPRESENTATIVE: Stone, Steven F., Dillahunty, Mary Ann  
NUMBER OF CLAIMS: 10  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 4 Drawing Figure(s); 3 Drawing Page(s)  
LINE COUNT: 933  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 6 OF 37 USPATFULL

ACCESSION NUMBER: 1998:82354 USPATFULL  
TITLE: Liquid delivery compositions

INVENTOR(S) : Yewey, Gerald L., Fort Collins, CO, United States  
Krinick, Nancy L., Fort Collins, CO, United States  
Dunn, Richard L., Fort Collins, CO, United States  
Radomsky, Michael L., Mountain View, CA, United States  
Brouwer, Gerbrand, Menlo Park, CA, United States  
Tipton, Arthur J., Birmingham, AL, United States  
PATENT ASSIGNEE(S) : Atrix Laboratories, Inc., Fort Collins, CO, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5780044		19980714
APPLICATION INFO.:	US 1996-761015		19961205 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1994-225140, filed on 8 Apr 1994, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Kishore, Goliamudi S.		
LEGAL REPRESENTATIVE:	Merchant, Gould, Smith, Edell, Welter & Schmidt		
NUMBER OF CLAIMS:	15		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 3 Drawing Page(s)		
LINE COUNT:	1174		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 7 OF 37 USPATFULL

ACCESSION NUMBER: 1998:61183 USPATFULL  
TITLE: Liquid delivery compositions  
INVENTOR(S) : Yewey, Gerald L., Fort Collins, CO, United States  
Krinick, Nancy L., Fort Collins, CO, United States  
Dunn, Richard L., Fort Collins, CO, United States  
Radomsky, Michael L., Mountain View, CA, United States  
Brouwer, Gerbrand, Menlo Park, CA, United States  
Tipton, Arthur J., Birmingham, AL, United States  
PATENT ASSIGNEE(S) : Atrix Laboratories, Inc., Fort Collins, CO, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5759563		19980602
APPLICATION INFO.:	US 1995-486262		19950607 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-225140, filed on 8 Apr 1994, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Kishore, Gollamudi S.		
LEGAL REPRESENTATIVE:	Merchant, Gould, Smith, Edell Welter & Schmidt		
NUMBER OF CLAIMS:	14		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 3 Drawing Page(s)		
LINE COUNT:	1218		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 8 OF 37 USPATFULL

ACCESSION NUMBER: 1998:47986 USPATFULL  
TITLE: High viscosity liquid controlled delivery system  
INVENTOR(S) : Tipton, Arthur J., Birmingham, AL, United States  
Holl, Richard J., Birmingham, AL, United States  
PATENT ASSIGNEE(S) : Southern Biosystems, Inc., Birmingham, AL, United States

States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5747058		19980505
APPLICATION INFO.:	US 1995-474337		19950607 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Azpuru, Carlos A.		
LEGAL REPRESENTATIVE:	Kilpatrick Stockton LLP, Meredith, Esq., Roy D.		
NUMBER OF CLAIMS:	95		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	17 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	1344		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 9 OF 37 USPATFULL

ACCESSION NUMBER: 1998:44898 USPATFULL  
TITLE: Liquid delivery compositions  
INVENTOR(S): Yewey, Gerald L., Fort Collins, CO, United States  
Krinick, Nancy L., Fort Collins, CO, United States  
Dunn, Richard L., Fort Collins, CO, United States  
Radomsky, Michael L., Mountain View, CA, United States  
Brouwer, Gerbrand, Menlo Park, CA, United States  
Tipton, Arthur J., Birmingham, AL, United States  
PATENT ASSIGNEE(S): Atrix Laboratories, Inc., Fort Collins, CO, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5744153		19980428
APPLICATION INFO.:	US 1997-871492		19970609 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-487979, filed on 7 Jun 1995, now abandoned which is a division of Ser. No. US 1994-225140, filed on 8 Apr 1994, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Kishore, Gollamudi S.		
LEGAL REPRESENTATIVE:	Merchant, Gould, Smith, Edell, Welter & Schmidt		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 3 Drawing Page(s)		
LINE COUNT:	1172		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 10 OF 37 USPATFULL

ACCESSION NUMBER: 1998:11713 USPATFULL  
TITLE: Delivery system comprising means for governing fluid ingress into the system  
INVENTOR(S): Magruder, Judy A., Mt. View, CA, United States  
Eckenhoff, James B., Los Altos, CA, United States  
Cortese, Richard, Los Gatos, CA, United States  
Wright, Jeremy C., Los Altos, CA, United States  
Peery, John R., Palo Alto, CA, United States  
PATENT ASSIGNEE(S): ALZA Corporation, Palo Alto, CA, United States (U.S. corporation)

NUMBER	KIND	DATE
--------	------	------

PATENT INFORMATION: US 5714160 19980203  
APPLICATION INFO.: US 1996-627169 19960403 (8)  
RELATED APPLN. INFO.: Continuation of Ser. No. US 1990-513361, filed on 20  
Apr 1990, now abandoned which is a division of Ser.

No.

US 1988-283359, filed on 13 Dec 1988, now patented,  
Pat. No. US 5034229

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Levy, Neil S.  
LEGAL REPRESENTATIVE: Sabatine, Paul L., Dhuey, John A., Rafa, Michael  
NUMBER OF CLAIMS: 11  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 11 Drawing Figure(s); 4 Drawing Page(s)  
LINE COUNT: 1334

L17 ANSWER 11 OF 37 USPATFULL

ACCESSION NUMBER: 97:75835 USPATFULL

TITLE: **Implantable** delivery dispenser comprising  
exit port

INVENTOR(S): Magruder, Judy A., Mt. View, CA, United States  
Eckenhoff, James B., Los Altos, CA, United States  
Wright, Jeremy C., Los Altos, CA, United States

PATENT ASSIGNEE(S): ALZA Corporation, Palo Alto, CA, United States (U.S.  
corporation)

NUMBER KIND DATE

-----  
PATENT INFORMATION: US 5660847 19970826  
APPLICATION INFO.: US 1994-336354 19941108 (8)  
RELATED APPLN. INFO.: Continuation of Ser. No. US 1991-787335, filed on 4  
Nov

1991, now abandoned which is a continuation of Ser.

No.

US 1989-407489, filed on 14 Sep 1989, now patented,  
Pat. No. US 5112614, issued on 12 May 1992

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Webman, Edward J.  
LEGAL REPRESENTATIVE: Sabatine, Paul L., Dillahunty, Mary Ann, Miller, D.  
Byron  
NUMBER OF CLAIMS: 3  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 6 Drawing Figure(s); 1 Drawing Page(s)  
LINE COUNT: 955

L17 ANSWER 12 OF 37 USPATFULL

ACCESSION NUMBER: 97:44771 USPATFULL

TITLE: **Implantable**, biodegradable system for  
releasing active substance

INVENTOR(S): Stricker, Herbert, Neckargemund, Germany, Federal  
Republic of  
Entenmann, Gunther, Ingelheim am Rhein, Germany,  
Federal Republic of  
Kern, Otto, Ingelheim am Rhein, Germany, Federal  
Republic of  
Mikhail, Michel, Ingelheim am Rhein, Germany, Federal  
Republic of  
Zierenberg, Bernd, Bingen, Germany, Federal Republic

of



PATENT ASSIGNEE(S) : Boehringer Ingelheim GmbH, Ingelheim am Rhein,  
Germany,  
Federal Republic of (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5633002		19970527
APPLICATION INFO.:	US 1995-434828		19950504 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-154843, filed on 19 Nov 1993, now abandoned which is a continuation of Ser. No. US 1992-881018, filed on 8 May 1992, now abandoned which is a continuation of Ser. No. US 1991-700721, filed on 15 May 1991, now abandoned which is a continuation of Ser. No. US 1990-488193, filed on 5 Mar 1990, now abandoned which is a continuation of Ser. No. US 1988-253157, filed on 4 Oct 1988, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Phelan, D. Gabrielle		
LEGAL REPRESENTATIVE:	Raymond, Robert P., Rieder, Wendy E., Stempel, Alan R.		
NUMBER OF CLAIMS:	16		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	12 Drawing Figure(s); 6 Drawing Page(s)		
LINE COUNT:	508		

L17 ANSWER 13 OF 37 USPATFULL

ACCESSION NUMBER: 97:42442 USPATFULL

TITLE: Delivery system comprising means for governing fluid  
into the system and for restricting fluid into the  
system

INVENTOR(S) : Magruder, Judy A., Mt. View, CA, United States  
Eckenhoff, James B., Los Altos, CA, United States  
Cortese, Richard, Los Gatos, CA, United States  
Wright, Jeremy C., Los Altos, CA, United States  
Peery, John R., Palo Alto, CA, United States

PATENT ASSIGNEE(S) : ALZA Corporation, Palo Alto, CA, United States (U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5630808		19970520
APPLICATION INFO.:	US 1994-203967		19940301 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1991-789241, filed on 7 Nov 1991, now patented, Pat. No. US 5320616 which is a continuation of Ser. No. US 1990-513369, filed on 20 Apr 1990, now abandoned which is a division of Ser. No. US 1988-283359, filed on 13 Dec 1988, now patented, Pat. No. US 5034229, issued on 23 Jul 1991		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Hafer, Robert A.		
ASSISTANT EXAMINER:	Stright, Jr., Ronald K.		
LEGAL REPRESENTATIVE:	Dillahunty, Mary Ann, Sabatine, Paul L., Stone, Steven F.		
NUMBER OF CLAIMS:	8		

EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 11 Drawing Figure(s); 4 Drawing Page(s)  
LINE COUNT: 1363

L17 ANSWER 14 OF 37 USPATFULL

ACCESSION NUMBER: 97:31422 USPATFULL

TITLE: Injectable drug delivery system and method  
INVENTOR(S): Berggren, Randall G., Livermore, CA, United States  
Enscoe, David J., Saratoga, CA, United States  
Marks, Susan M., San Jose, CA, United States  
Osborne, James L., Mountain View, CA, United States  
Wong, Patrick S.-L., Palo Alto, CA, United States  
Roorda, Wouter E., Newark, CA, United States

PATENT ASSIGNEE(S): ALZA Corporation, Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5620700		19970415
APPLICATION INFO.:	US 1995-437471		19950509 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1992-923275, filed on 31 Jul 1992, now abandoned which is a		
continuation-in-part	of Ser. No. US 1990-605863, filed on 30 Oct 1990, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Hulina, Amy		
LEGAL REPRESENTATIVE:	Dillahunt, Mary Ann, Stone, Steven F.		
NUMBER OF CLAIMS:	30		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 3 Drawing Page(s)		
LINE COUNT:	1002		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L17 ANSWER 15 OF 37 USPATFULL

ACCESSION NUMBER: 96:113640 USPATFULL

TITLE: Biocompatible monomer and polymer compositions

INVENTOR(S): Leung, Jeffrey C., Raleigh, NC, United States  
Clark, Jeffrey G., Raleigh, NC, United States

PATENT ASSIGNEE(S): Tri-Point Medical, Corporation, Raleigh, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5582834		19961210
APPLICATION INFO.:	US 1995-461408		19950605 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-215584, filed on 22 Mar 1994, now patented, Pat. No. US 5514371 which is a division of Ser. No. US 1993-40618, filed on 31 Mar 1993, now patented, Pat. No. US 5328587		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Azpuru, Carlos		
LEGAL REPRESENTATIVE:	Oliff & Berridge		
NUMBER OF CLAIMS:	16		
EXEMPLARY CLAIM:	1		
LINE COUNT:	796		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L17 ANSWER 16 OF 37 USPATFULL

ACCESSION NUMBER: 96:106173 USPATFULL  
TITLE: Biocompatible monomer and polymer compositions  
INVENTOR(S): Leung, Jeffrey C., Raleigh, NC, United States  
Clark, Jeffrey G., Raleigh, NC, United States  
PATENT ASSIGNEE(S): Tri-Point Medical Corporation, Raleigh, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5575997		19961119
APPLICATION INFO.:	US 1995-461931		19950605 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-215584, filed on 22 Mar 1994, now patented, Pat. No. US 5514371 which is a division of Ser. No. US 1993-40618, filed on 31 Mar 1993, now patented, Pat. No. US 5328687		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Azpuru, Carlos		
LEGAL REPRESENTATIVE:	Oliff & Berridge		
NUMBER OF CLAIMS:	17		
EXEMPLARY CLAIM:	1		
LINE COUNT:	795		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 17 OF 37 USPATFULL

ACCESSION NUMBER: 96:38603 USPATFULL  
TITLE: Biocompatible monomer and formaldehyde producing polymer compositions  
INVENTOR(S): Leung, Jeffrey C., Raleigh, NC, United States  
Clark, Jeffrey G., Raleigh, NC, United States  
PATENT ASSIGNEE(S): Tri-Point Medical L.P., Raleigh, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5514372		19960507
APPLICATION INFO.:	US 1995-462287		19950605 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-215584, filed on 22 Mar 1994 which is a division of Ser. No. US 1993-40618, filed on 31 Mar 1993, now patented, Pat. No. US 5328687		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Azpuru, Carlos		
LEGAL REPRESENTATIVE:	Oliff & Berridge		
NUMBER OF CLAIMS:	14		
EXEMPLARY CLAIM:	1		
LINE COUNT:	779		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 18 OF 37 USPATFULL

ACCESSION NUMBER: 96:38602 USPATFULL  
TITLE: Biocompatible monomer and formaldehyde producing polymer compositions  
INVENTOR(S): Leung, Jeffrey C., Raleigh, NC, United States  
Clark, Jeffrey G., Raleigh, NC, United States  
PATENT ASSIGNEE(S): Tri-Point Medical L.P., Raleigh, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5514371		19960507
APPLICATION INFO.:	US 1994-215584		19940322 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1993-40618, filed on 31 Mar 1993, now patented, Pat. No. US 5328687		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Azpuru, Carlos		
LEGAL REPRESENTATIVE:	Oliff & Berridge		
NUMBER OF CLAIMS:	24		
EXEMPLARY CLAIM:	1		
LINE COUNT:	832		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 19 OF 37 USPATFULL

ACCESSION NUMBER: 95:52391 USPATFULL  
 TITLE: Biodegradable replacement of crystal polystyrene  
 INVENTOR(S): Sinclair, Richard G., Columbus, OH, United States  
 PATENT ASSIGNEE(S): Ecopol, LLC, Golden, CO, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5424346		19950613
APPLICATION INFO.:	US 1994-240085		19940509 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1990-579465, filed on 6 Sep 1990, now abandoned which is a continuation-in-part of Ser. No. US 1989-387670, filed on 31 Jul 1989, now abandoned which is a continuation-in-part of Ser. No. US 1988-229939, filed on 8 Aug 1988, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Short, Patricia A.		
LEGAL REPRESENTATIVE:	Sheridan Ross & McIntosh		
NUMBER OF CLAIMS:	18		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	2064		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 20 OF 37 USPATFULL

ACCESSION NUMBER: 94:59941 USPATFULL  
 TITLE: Biocompatible monomer and polymer compositions  
 INVENTOR(S): Leung, Jeffrey C., Raleigh, NC, United States  
 Clark, Jeffrey G., Raleigh, NC, United States  
 PATENT ASSIGNEE(S): Tri-Point Medical L.P., Raleigh, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5328687		19940712
APPLICATION INFO.:	US 1993-40618		19930331 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman K.		
ASSISTANT EXAMINER:	Azpuru, Carlos		
LEGAL REPRESENTATIVE:	Oliff & Berridge		
NUMBER OF CLAIMS:	16		

EXEMPLARY CLAIM: 1  
LINE COUNT: 751  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 21 OF 37 USPATFULL

ACCESSION NUMBER: 94:51007 USPATFULL

TITLE: Delivery system comprising first walled section and second walled section united by fusion, adhesion or telescopic engagement

INVENTOR(S): Magruder, Judy A., Mt. View, CA, United States  
Eckenhoff, James B., Los Altos, CA, United States  
Cortese, Richard, Los Gatos, CA, United States  
Wright, Jeremy C., Los Altos, CA, United States  
Peery, John R., Palo Alto, CA, United States

PATENT ASSIGNEE(S): Alza Corporation, Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5320616		19940614
APPLICATION INFO.:	US 1991-789241		19911107 (7)
DISCLAIMER DATE:	20080723		
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1990-513369, filed on 20 Apr 1990, now abandoned which is a division of Ser. No. US 1988-283359, filed on 13 Dec 1988, now patented, Pat. No. US 5034229, issued on 23 Jul 1991		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Rosenbaum, C. Fred		
ASSISTANT EXAMINER:	Stright, Jr., Ronald K.		
LEGAL REPRESENTATIVE:	Sabatine, Paul L., Larson, Jacqueline S., Duvall, Jean M.		
NUMBER OF CLAIMS:	3		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 4 Drawing Page(s)		
LINE COUNT:	1269		

L17 ANSWER 22 OF 37 USPATFULL

ACCESSION NUMBER: 92:106664 USPATFULL

TITLE: Delivery system comprising fluid ingress and drug egress

INVENTOR(S): Magruder, Judy A., Mt. View, CA, United States  
Eckenhoff, James B., Los Altos, CA, United States  
Cortese, Richard, Los Gatos, CA, United States  
Wright, Jeremy C., Los Altos, CA, United States  
Peery, John R., Palo Alto, CA, United States

PATENT ASSIGNEE(S): ALZA Corporation, Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5174999		19921229
APPLICATION INFO.:	US 1990-512301		19900420 (7)
DISCLAIMER DATE:	20060808		
RELATED APPLN. INFO.:	Division of Ser. No. US 1988-283359, filed on 13 Dec 1988, now patented, Pat. No. US 5034229, issued on 23 Jul 1991		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		

PRIMARY EXAMINER: Page, Thurman K.  
ASSISTANT EXAMINER: Horne, Leon R.  
LEGAL REPRESENTATIVE: Sabatine, Paul L., Mandell, Edward L., Larson,  
Jacqueline S.  
NUMBER OF CLAIMS: 3  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 11 Drawing Figure(s); 4 Drawing Page(s)  
LINE COUNT: 1263

L17 ANSWER 23 OF 37 USPATFULL

ACCESSION NUMBER: 92:91026 USPATFULL  
TITLE: Annealed composition for pharmaceutically acceptable  
drug  
INVENTOR(S): Edgren, David E., El Granada, CA, United States  
Theeuwes, Felix, Los Altos, CA, United States  
PATENT ASSIGNEE(S): Alza Corporation, Palo Alto, CA, United States (U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5160743		19921103
APPLICATION INFO.:	US 1991-647321		19910128 (7)
DISCLAIMER DATE:	20080409		
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1989-350482, filed on 11 May 1989, now patented, Pat. No. US 5006346, issued on 9 Apr 1991 which is a division of Ser. No.		

US

1988-187621, filed on 28 Apr 1988, now patented, Pat.  
No. US 4931285, issued on 5 Jun 1990  
DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Page, Thurman K.  
ASSISTANT EXAMINER: Horne, Leon R.  
LEGAL REPRESENTATIVE: Sabatine, Paul L., Larson, Jacqueline S., Duvall, Jean  
M.  
NUMBER OF CLAIMS: 1  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 8 Drawing Figure(s); 2 Drawing Page(s)  
LINE COUNT: 692  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 24 OF 37 USPATFULL

ACCESSION NUMBER: 92:63448 USPATFULL  
TITLE: Delivery system for administering agent to ruminants  
and swine  
INVENTOR(S): Magruder, Judy A., Mt. View, CA, United States  
Eckenhoff, James B., Los Altos, CA, United States  
Cortese, Richard, Los Gatos, CA, United States  
Wright, Jeremy C., Los Altos, CA, United States  
Peery, John R., Palo Alto, CA, United States  
PATENT ASSIGNEE(S): ALZA Corporation, Palo Alto, CA, United States (U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5135523		19920804
APPLICATION INFO.:	US 1990-513363		19900420 (7)
DISCLAIMER DATE:	20060808		
RELATED APPLN. INFO.:	Division of Ser. No. US 1988-283359, filed on 13 Dec 1988, now patented, Pat. No. US 5034229		

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Rosenbaum, C. Fred  
ASSISTANT EXAMINER: Polutta, Mark O.  
LEGAL REPRESENTATIVE: Sabatine, Paul L., Larson, Jacqueline S., Duvall, Jean M.  
NUMBER OF CLAIMS: 4  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 11 Drawing Figure(s); 4 Drawing Page(s)  
LINE COUNT: 1261

L17 ANSWER 25 OF 37 USPATFULL

ACCESSION NUMBER: 92:38170 USPATFULL  
TITLE: **Implantable** delivery dispenser  
INVENTOR(S): Magruder, Judy A., Mt. View, CA, United States  
Eckenhoff, James B., Los Altos, CA, United States  
Wright, Jeremy C., Los Altos, CA, United States  
PATENT ASSIGNEE(S): Alza Corporation, Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5112614		19920512
APPLICATION INFO.:	US 1989-407489		19890914 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman K.		
ASSISTANT EXAMINER:	Webman, Edward J.		
NUMBER OF CLAIMS:	19		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 1 Drawing Page(s)		
LINE COUNT:	1029		

L17 ANSWER 26 OF 37 USPATFULL

ACCESSION NUMBER: 92:35981 USPATFULL  
TITLE: Delivery system comprising means for delivering agent to livestock  
INVENTOR(S): Magruder, Judy A., Mt. View, CA, United States  
Eckenhoff, James B., Los Altos, CA, United States  
Cortese, Richard, Los Gatos, CA, United States  
Wright, Jeremy C., Los Altos, CA, United States  
Peery, John R., Palo Alto, CA, United States  
PATENT ASSIGNEE(S): Alza Corporation, Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5110596		19920505
APPLICATION INFO.:	US 1990-513330		19900420 (7)
DISCLAIMER DATE:	20060808		
RELATED APPLN. INFO.:	Division of Ser. No. US 1988-283359, filed on 13 Dec 1988, now patented, Pat. No. US 5034229, issued on 23 Jul 1991		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman K.		
ASSISTANT EXAMINER:	Horne, Leon R.		
LEGAL REPRESENTATIVE:	Sabatine, Paul L., Mandell, Edward L., Larson, Jacqueline S.		
NUMBER OF CLAIMS:	1		

EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 11 Drawing Figure(s); 4 Drawing Page(s)  
LINE COUNT: 1258

L17 ANSWER 27 OF 37 USPATFULL

ACCESSION NUMBER: 91:86564 USPATFULL

TITLE: Delivery system comprising biocompatible beneficial agent formulation

INVENTOR(S): Magruder, Judy A., Mt. View, CA, United States  
Eckenhoff, James B., Los Altos, CA, United States  
Cortese, Richard, Los Gatos, CA, United States  
Wright, Jeremy C., Los Altos, CA, United States  
Peery, John R., Palo Alto, CA, United States

PATENT ASSIGNEE(S): Alza Corporation, Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5059423		19911022
APPLICATION INFO.:	US 1990-513528		19900423 (7)
DISCLAIMER DATE:	20060808		
RELATED APPLN. INFO.:	Division of Ser. No. US 1988-283359, filed on 13 Dec 1988, now patented, Pat. No. US 5034229		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman A.		
ASSISTANT EXAMINER:	Horne, Leon R.		
LEGAL REPRESENTATIVE:	Sabatine, Paul L., Mandell, Edward L., Stone, Steven F.		
NUMBER OF CLAIMS:	2		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 4 Drawing Page(s)		
LINE COUNT:	1261		

L17 ANSWER 28 OF 37 USPATFULL

ACCESSION NUMBER: 91:84262 USPATFULL

TITLE: Delivery system for beneficial agent over a broad range of rates

INVENTOR(S): Magruder, Judy A., Mt. View, CA, United States  
Eckenhoff, James B., Los Altos, CA, United States  
Cortese, Richard, Los Gatos, CA, United States  
Wright, Jeremy C., Los Altos, CA, United States  
Perry, John R., Palo Alto, CA, United States

PATENT ASSIGNEE(S): ALZA Corporation, Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5057318		19911015
APPLICATION INFO.:	US 1990-513327		19900420 (7)
DISCLAIMER DATE:	20060808		
RELATED APPLN. INFO.:	Division of Ser. No. US 1988-283359, filed on 13 Dec 1988, now patented, Pat. No. US 5034229		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman K.		
ASSISTANT EXAMINER:	Horne, Leon R.		
LEGAL REPRESENTATIVE:	Sabatine, Paul L., Mandell, Edward L., Stone, Steve F.		
NUMBER OF CLAIMS:	13		



EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 11 Drawing Figure(s); 4 Drawing Page(s)  
LINE COUNT: 1284

L17 ANSWER 29 OF 37 USPATFULL

ACCESSION NUMBER: 91:62384 USPATFULL

TITLE: Delivery system comprising two sections for delivering somatotropin

INVENTOR(S): Magruder, Judy A., Mt. View, CA, United States  
Eckenhoff, James B., Los Altos, CA, United States  
Cortese, Richard, Los Gatos, CA, United States  
Wright, Jeremy C., Los Altos, CA, United States  
Peery, John R., Palo Alto, CA, United States

PATENT ASSIGNEE(S): ALZA Corporation, Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5037420		19910806
APPLICATION INFO.:	US 1990-513328		19900420 (7)
RELATED APPLN. INFO.:	Division of Ser. No. US 1988-283359, filed on 13 Dec 1988		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Rosenbaum, C. Fred		
ASSISTANT EXAMINER:	Finkel, Sharon		
LEGAL REPRESENTATIVE:	Sabatine, Paul L., Mandell, Edward L., Stone, Steven F.		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 4 Drawing Page(s)		
LINE COUNT:	1279		

L17 ANSWER 30 OF 37 USPATFULL

ACCESSION NUMBER: 91:58772 USPATFULL

TITLE: Dispenser for increasing feed conversion of hog

INVENTOR(S): Magruder, Judy A., Mt. View, CA, United States  
Eckenhoff, James B., Los Altos, CA, United States  
Cortese, Richard, Los Gatos, CA, United States  
Wright, Jeremy C., Los Altos, CA, United States  
Peery, John R., Palo Alto, CA, United States

PATENT ASSIGNEE(S): ALZA Corporation, Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5034229		19910723
APPLICATION INFO.:	US 1988-283359		19881213 (7)
DISCLAIMER DATE:	20060808		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman		
ASSISTANT EXAMINER:	Benston, Jr., William E.		
LEGAL REPRESENTATIVE:	Sabatine, Paul L., Mandell, Edward L., Stone, Steven F.		
NUMBER OF CLAIMS:	4		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 4 Drawing Page(s)		
LINE COUNT:	1261		

L17 ANSWER 31 OF 37 USPATFULL

ACCESSION NUMBER: 91:48455 USPATFULL  
TITLE: Annealed coats  
INVENTOR(S): Edgren, David E., El Granada, CA, United States  
Theeuwes, Felix, Los Altos, CA, United States  
PATENT ASSIGNEE(S): ALZA Corporation, Palo Alto, CA, United States (U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5024842		19910618
APPLICATION INFO.:	US 1990-503004		19900402 (7)
DISCLAIMER DATE:	20070605		
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1988-187621, filed on 28 Apr 1988, now patented, Pat. No. US 4931285		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman K.		
ASSISTANT EXAMINER:	Horne, L.		
LEGAL REPRESENTATIVE:	Sabatine, Paul L., Mandell, Edward L., Stone, Steven F.		
NUMBER OF CLAIMS:	2		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	8 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	736		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 32 OF 37 USPATFULL

ACCESSION NUMBER: 91:28412 USPATFULL  
TITLE: Delivery system  
INVENTOR(S): Edgren, David E., El Granada, CA, United States  
Theeuwes, Felix, Los Altos, CA, United States  
PATENT ASSIGNEE(S): Alza Corporation, Palo Alto, CA, United States (U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5006346		19910409
APPLICATION INFO.:	US 1989-350482		19890511 (7)
RELATED APPLN. INFO.:	Division of Ser. No. US 1988-187621, filed on 28 Apr 1988, now patented, Pat. No. US 4931285		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman K.		
ASSISTANT EXAMINER:	Horne, Leon R.		
LEGAL REPRESENTATIVE:	Sabatine, Paul L., Mandell, Edward L., Stone, Steven F.		
NUMBER OF CLAIMS:	1		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	8 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	682		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 33 OF 37 USPATFULL

ACCESSION NUMBER: 91:16968 USPATFULL  
TITLE: Device comprising liner for protecting fluid sensitive  
medicament  
INVENTOR(S): Eckenhoff, James B., Los Altos, CA, United States  
Magruder, Judy A., Mt. View, CA, United States  
Cortese, Richard, Cupertino, CA, United States

PATENT ASSIGNEE(S): Peery, John R., Palo Alto, CA, United States  
Wright, Jeremy C., Los Altos, CA, United States  
ALZA Corporation, Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4996060		19910226
APPLICATION INFO.:	US 1989-334251		19890406 (7)
DISCLAIMER DATE:	20060808		
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1988-173209, filed on 25 Mar 1988, now patented, Pat. No. US 4855141, issued on 8 Aug 1989		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Cashion, Jr., Merrell C.		
ASSISTANT EXAMINER:	Horne, Leon R.		
LEGAL REPRESENTATIVE:	Sabatine, Paul L., Mandell, Edward L., Stone, Steven F.		
NUMBER OF CLAIMS:	10		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 4 Drawing Page(s)		
LINE COUNT:	932		

L17 ANSWER 34 OF 37 USPATFULL

ACCESSION NUMBER: 90:74953 USPATFULL  
TITLE: Method for delivering somatotropin to an animal  
INVENTOR(S): Eckenhoff, James B., Los Altos, CA, United States  
Magruder, Judy A., Mt. View, CA, United States  
Cortese, Richard, Cupertino, CA, United States  
Peery, John R., Palo Alto, CA, United States  
Wright, Jeremy C., Los Altos, CA, United States  
PATENT ASSIGNEE(S): Alza Corporation, Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4959218		19900925
APPLICATION INFO.:	US 1988-291930		19881228 (7)
DISCLAIMER DATE:	20060808		
RELATED APPLN. INFO.:	Division of Ser. No. US 1988-173209, filed on 25 Mar 1988, now patented, Pat. No. US 4855141, issued on 8 Aug 1989		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman K.		
ASSISTANT EXAMINER:	Horne, Leon R.		
LEGAL REPRESENTATIVE:	Mandell, Edward L., Sabatine, Paul L., Stone, Steven F.		
NUMBER OF CLAIMS:	2		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 4 Drawing Page(s)		
LINE COUNT:	904		

L17 ANSWER 35 OF 37 USPATFULL

ACCESSION NUMBER: 90:46406 USPATFULL  
TITLE: Pharmaceutical composition for treating periodontal  
INVENTOR(S): Higashi, Kiyotsugu, Nara, Japan  
Kametaka, Shigeru, Osaka, Japan  
Izumi, Reiko, Osaka, Japan

PATENT ASSIGNEE(S): Morisaki, Katsuhiko, Nara, Japan  
Hayashi, Shin'ichi, Osaka, Japan  
Rohto Pharmaceutical Co. Ltd., Osaka, Japan (non-U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4933182		19900612
APPLICATION INFO.:	US 1989-414602		19890929 (7)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1987-29658, filed on 24 Mar 1987, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1986-67810	19860325
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Rose, Shep K.	
LEGAL REPRESENTATIVE:	Venable, Baetjer, Howard & Civiletti	
NUMBER OF CLAIMS:	4	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 1 Drawing Page(s)	
LINE COUNT:	394	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L17 ANSWER 36 OF 37 USPATFULL

ACCESSION NUMBER: 90:44352 USPATFULL  
TITLE: Aqueous based pharmaceutical coating composition for  
dosage forms  
INVENTOR(S): Edgren, David E., El Granada, CA, United States  
Theeuwes, Felix, Los Altos, CA, United States  
PATENT ASSIGNEE(S): ALZA Corporation, Palo Alto, CA, United States (U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4931285		19900605
APPLICATION INFO.:	US 1988-187621		19880428 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman K.		
ASSISTANT EXAMINER:	Horne, Leon R.		
LEGAL REPRESENTATIVE:	Sabatine, Paul L., Mandell, Edward L., Stone, Steven F.		
NUMBER OF CLAIMS:	2		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	8 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	680		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L17 ANSWER 37 OF 37 USPATFULL

ACCESSION NUMBER: 89:64934 USPATFULL  
TITLE: Device comprising means for protecting and dispensing  
fluid sensitive medicament  
INVENTOR(S): Eckenhoff, James B., Los Altos, CA, United States  
Magruder, Judy A., Mt. View, CA, United States  
Cortese, Richard, Cupertino, CA, United States  
Peery, John R., Palo Alto, CA, United States  
Wright, Jeremy C., Los Altos, CA, United States

PATENT ASSIGNEE(S) : ALZA Corporation, Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4855141		19890808
APPLICATION INFO.:	US 1988-173209		19880325 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman K.		
ASSISTANT EXAMINER:	Horne, Leon R.		
LEGAL REPRESENTATIVE:	Sabatine, Paul L., Mandell, Edward L., Stone, Steven F.		
NUMBER OF CLAIMS:	8		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 4 Drawing Page(s)		
LINE COUNT:	939		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 12:10:24 ON 01 MAR 2002)

FILE 'REGISTRY' ENTERED AT 12:10:40 ON 01 MAR 2002

L1 1 S TRIACETIN/CN  
L2 1 S BENZYL BENZOATE/CN  
L3 1 S 34346-01-5/RN

FILE 'USPATFULL, CAPLUS' ENTERED AT 12:11:42 ON 01 MAR 2002

L4 7540 S L1 OR (GLYCER### TRIACETATE) OR TRIACETIN#  
L5 5069 S L2 OR (BENZYL BENZOATE) OR NOVOSCABIN OR SCABANCA OR  
VANZOATE  
L6 5075 S L2 OR (BENZYL BENZOATE) OR NOVOSCABIN OR SCABANCA OR  
VANZOATE  
L7 2956 S L3 OR PLGA OR (POLY (2W) LACTIDE (2W) ACID (2W) GLYCOLIC  
(2W)  
L8 11 S L4 (20W) L7  
L9 87 S L4 AND L7  
L10 23 S L6 AND L7  
L11 100 S L10 OR L9  
L12 55 S L11 AND IMPLANT?  
L13 39 S L12 AND FILM  
L14 40 S L12 AND FILM?  
L15 11 DUPLICATE REMOVE L8 (0 DUPLICATES REMOVED)  
L16 33 S L14 NOT L5  
L17 37 S L14 NOT L15

L15 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:42335 CAPLUS

DOCUMENT NUMBER: 132:156682

TITLE: Sustained release of human growth hormone from PLGA solution depots

AUTHOR(S): Brodbeck, Kevin J.; Pushpala, Shamim; McHugh, Anthony J.

CORPORATE SOURCE: Department of Chemical Engineering, University of Illinois, Urbana, IL, USA

SOURCE: Pharm. Res. (1999), 16(12), 1825-1829

CODEN: PHREEB; ISSN: 0724-8741

PUBLISHER: Kluwer Academic/Plenum Publishers

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

IT 93-89-0, Ethyl benzoate 102-76-1, Triacetin

120-51-4, Benzyl benzoate 12629-01-5, Human growth hormone

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(sustained release of human growth hormone from PLGA soln. depots)

L15 ANSWER 3 OF 11 USPATFULL

ACCESSION NUMBER: 2000:134867 USPATFULL

TITLE: Gel composition and methods

INVENTOR(S): Brodbeck, Kevin J., Palo Alto, CA, United States  
Gaynor-Duarte, Ann T., Oakland, CA, United States  
Shen, Theodore Tao-Ian, Redwood City, CA, United

States

PATENT ASSIGNEE(S): Alza Corporation, Mountain View, CA, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6130200		20001010
APPLICATION INFO.:	US 1997-993208		19971218 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-33439	19961220 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Prats, Francisco	
LEGAL REPRESENTATIVE:	Dhuey, John A., Stone, Steven F.	
NUMBER OF CLAIMS:	23	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	7 Drawing Figure(s); 7 Drawing Page(s)	
LINE COUNT:	1758	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
DETD		. . . SD 23 2.6

			24	2.1
F	PLGA-502			
	15	L	11	1.5
			12	2.0
F	PLGA-502			
	15	L	25	2.2
			26	0.64
<b>Triacetin</b>				
7% sol. in water				
A	PLGA-502			
	0	L	1	8.5
(Merck)			2	13
I	PLGA-502			

L15 ANSWER 11 OF 11 USPATFULL  
 AN 95:80098 USPATFULL  
 TI Methods for aiding periodontal tissue regeneration  
 IN Damani, Nalinkant C., Cincinnati, OH, United States  
 Mohl, Douglas C., Fairfield, OH, United States  
 Singer, Jr., Robert E., Fairfield, OH, United States  
 PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S.  
 corporation)  
 PI US 5447725 19950905  
 AI US 1993-76304 19930611 (8)  
 DT Utility  
 FS Granted  
 LN.CNT 468  
 INCL INCLM: 424/435.000  
 INCLS: 424/426.000; 424/434.000; 424/486.000; 514/152.000; 514/772.300;  
 514/772.600; 514/900.000; 514/902.000; 514/944.000; 514/953.000  
 NCL NCLM: 424/435.000  
 NCLS: 424/426.000; 424/434.000; 424/486.000; 514/152.000; 514/772.300;  
 514/772.600; 514/900.000; 514/902.000; 514/944.000; 514/953.000  
 IC [6]  
 ICM: A61K009-06  
 ICS: A61K031-65; A61K031-74  
 EXF 424/426; 424/434; 424/435; 424/486; 514/152; 514/772.3; 514/772.6;  
 514/900; 514/902; 514/944; 514/953  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.



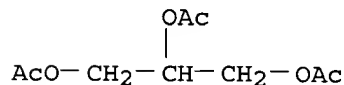
=> s triacetin/cn  
L1 1 TRIACETIN/CN

=> s benzyl benzoate/cn  
L2 1 BENZYL BENZOATE/CN

=> s 34346-01-5/rn  
L3 1 34346-01-5/RN

=> d l1

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS  
RN 102-76-1 REGISTRY  
CN 1,2,3-Propanetriol, triacetate (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Acetin, tri- (6CI, 8CI)  
OTHER NAMES:  
CN 1,2,3-Triacetoxyp propane  
CN Enzactin  
CN Estol 1581  
CN Fungacetin  
CN Glycerin triacetate  
CN Glycerol triacetate  
CN Glyceryl triacetate  
CN Glyped  
CN Kesscoflex TRA  
CN Priacetin 1580  
CN Priacetin 1581  
CN **Triacetin**  
CN Triacetine  
CN Triacetyl glycerin  
CN Triacetyl glycerol  
CN Ujostabil  
CN Vanay  
FS 3D CONCORD  
MF C9 H14 O6  
CI COM  
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS,  
BIOSIS,  
BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,  
CHEMLIST, CHEMSAFE, CIN, CSCHEM, DDFU, DETHERM\*, DIOGENES, DIPPR\*,  
DRUGU, EMBASE, HODOC\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE,  
MRCK\*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM\*, PIRA, PROMT, RTECS\*,  
SPECINFO, TOXCENTER, TOXLIT, TULSA, USAN, USPATFULL, VTB  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*, WHO  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)



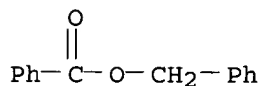
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2003 REFERENCES IN FILE CA (1967 TO DATE)  
12 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
2007 REFERENCES IN FILE CAPLUS (1967 TO DATE)

104 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d 12

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS  
 RN 120-51-4 REGISTRY  
 CN Benzoic acid, phenylmethyl ester (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Benzoic acid, benzyl ester (6CI, 8CI)  
 OTHER NAMES:  
 CN Ascabin  
 CN Ascabiol  
 CN Benylate  
 CN Benzyl benzenecarboxylate  
 CN **Benzyl benzoate**  
 CN Benzyl phenylformate  
 CN Benzylets  
 CN Colebenz  
 CN Nicca Sunsolt LM 7EX  
 CN Novoscabin  
 CN Peruscabin  
 CN Phenylmethyl benzoate  
 CN Scabagen  
 CN Scabanca  
 CN Scabide  
 CN Scabiozon  
 CN Scobenol  
 CN Vanzoate  
 CN Venzonate  
 FS 3D CONCORD  
 MF C14 H12 O2  
 CI COM  
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS,  
 BIOSIS,  
 BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB,  
 CHEMCATS,  
 CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSChem, CSNB, DDFU, DETHERM\*,  
 DIOGENES, DIPPR\*, DRUGU, EMBASE, GMELIN\*, HODOC\*, HSDB\*, IFICDB,  
 IFIPAT,  
 IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM\*,  
 PROMT, RTECS\*, SPECINFO, TOXCENTER, TOXLIT, TULSA, USAN, USPAT2,  
 USPATFULL, VETU, VTB  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1565 REFERENCES IN FILE CA (1967 TO DATE)  
 6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 1568 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
 89 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

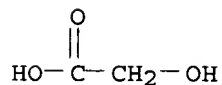
=> d 13

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS  
RN 34346-01-5 REGISTRY  
CN Propanoic acid, 2-hydroxy-, polymer with hydroxyacetic acid (9CI) (CA  
INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Acetic acid, hydroxy-, polymer with 2-hydroxypropanoic acid (9CI)  
OTHER NAMES:  
CN (.+-.)-2-Hydroxypropanoic acid-hydroxyacetic acid copolymer  
CN Atrigel  
CN dl-Lactic acid-glycolic acid copolymer  
CN DL-Lactic acid-glycolic acid copolymer  
CN dl-Lactic acid-glycolic acid polymer  
CN Glycolic acid-DL-lactic acid copolymer  
CN Glycolic acid-lactic acid copolymer  
CN Glycolic acid-lactic acid polymer  
CN Hydroxyacetic acid-(.+-.)-2-hydroxypropanoic acid copolymer  
CN Hydroxyacetic acid-2-hydroxypropionic acid copolymer  
CN Hydroxyacetic acid-lactic acid copolymer  
CN Lactic acid-glycolic acid copolymer  
CN Lactic acid-glycolic acid polymer  
CN PLGA 5010  
CN Poly(DL-lactic acid-glycolic acid)  
CN Poly(glycolic acid-co-DL-lactic acid)  
CN Poly(glycolic acid-lactic acid)  
CN Poly(lactic acid-glycolic acid)  
CN Resolut LT  
CN Resolut ST  
CN Resomer RG 502  
CN Resomer RG 502H  
CN Resomer RG 504H  
CN Resomer RG 858  
DR 59199-59-6, 66327-52-4, 153439-97-5  
MF (C3 H6 O3 . C2 H4 O3)x  
CI PMS, COM  
PCT Polyester, Polyester formed  
LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT,  
CAPLUS, CEN, CHEMCATS, CIN, CSCHEM, EMBASE, IFICDB, IFIPAT, IFIUDB,  
IPA,  
MEDLINE, TOXCENTER, TOXLIT, USPAT2, USPATFULL

CM 1

CRN 79-14-1

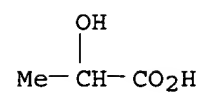
CMF C2 H4 O3



CM 2

CRN 50-21-5

CMF C3 H6 O3



1134 REFERENCES IN FILE CA (1967 TO DATE)

25 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

1136 REFERENCES IN FILE CAPLUS (1967 TO DATE)